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WE CLAIM

1. A compound according to

$$Q = C = N - N - R^{3}$$

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Figure One

wherein

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Q can be any five or six membered carbocyclic or heterocyclic ring, R¹, R², and R³ each independently can be

- (a) a C₁₋₁₀, branched or unbranched, alkyl, alkoxy, alkenyl, alkynyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkylcarbonothioyl, alkoxycarbonyl, alkylthiocarbonothioyl, HC(=NH)-,
- (b) a C₃₋₁₀, cycloalkyl, or cycloalkenyl,
- (c) an aryl, heterocyclyl, aryloxy, heterocyclyloxy, arylthio, heterocyclylthio, arylamino, or heterocyclylamino, or
- (d) a hydro, hydroxy, mercapto, amino, cyano, formyl, nitro, halo, or aminocarbonyl,

R¹ and R² can be joined together to form a ring, either directly with a bond between them, or indirectly through one or two linkage atoms, where such linkage atoms are either carbon, nitrogen, oxygen, or sulfur, and

wherein

each member of Q, each member of R¹, R², and R³, and any of the linkage atoms, which may have a hydrogen atom in a certain position, may instead of having such hydrogen atom, have a

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(a) a C₁₋₁₀, branched or unbranched, alkyl, alkoxy, alkenyl, alkynyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkylcarbonothioyl, alkoxycarbonothioyl, alkylthiocarbonothioyl, HC(=NH)-, dialkylphosphonyl, or dialkylphosphatyl,

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- (b) a C₃₋₁₀, cycloalkyl, or cycloalkenyl,
- (c) an aryl, heterocyclyl, aryloxy, heterocyclyloxy, arylthio, heterocyclylthio, arylamino, or heterocyclylamino, or
- (d) a hydro, hydroxy, mercapto, amino, cyano, formyl, nitro, halo, or aminocarbonyl,

in such position.

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- 2. A composition comprising a compound according to claim 1 and at least one other active compound where such active compound is at least insecticidally, acaricidally, or nematocidally active.
- 3. A process of applying a compound according to claim 1, or a composition according to claim 2, to a locus in an amount effective to control pests.

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- 4. A process of applying a compound according to claim 1, or a composition according to claim 2, to a locus in an amount effective to control insects or mites.
- 25 5. A process of topically applying a compound according to claim 1, or a composition according to claim 2, to an animal in an amount effective to control fleas.

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6. A process of orally administering a compound according to claim 1, or a composition according to claim 2, to an animal in an amount effective to control fleas.